

# Contents

## Letters to the Editor

Starburst superwind and LINER activity in NGC 4945  
*Moorwood A.F.M., van der Werf P.P., Kotilainen J.K.,  
 Marconi A., Oliva E.*

Tentative detection of a cosmic far-infrared background with COBE  
*Puget J.-L., Abergel A., Bernard J.-P., Boulanger F.,  
 Burton W.B., Désert F.-X., Hartmann D.*

Eclipses in the symbiotic system CH Cyg  
*Skopal A., Bode M.F., Lloyd H.M., Tamura S.*

Boron in main sequence B stars: a critical test for rotational mixing  
*Fliegner J., Langer N., Venn K.A.*

Are active galactic nuclei powered by stellar collisions?  
*Courvoisier T.J.-L., Paltani S., Walter R.*

Gradient model analysis of EGRET diffuse Galactic  $\gamma$ -ray emission  
*Strong A.W., Mattox J.R.*

HS 1216+5032: a new double QSO separated by 9"  
*Hagen H.-J., Hopp U., Engels D., Reimers D.*

Evolution of dusty photospheres through red to brown dwarfs: how dust forms in very low mass objects  
*Tsuji T., Ohnaka K., Aoki W., Nakajima T.*

Long-range (fractal) correlations in the LEDA database  
*Di Nella H., Montuori M., Paturel G., Pietronero L.,  
 Sylos Labini F.*

Velocity bridges: signature of HVC interaction with the Galactic halo  
*Pietz J., Kerp J., Kalberla P.M.W., Mebold U., Burton  
 W.B., Hartmann D.*

**Cosmology**

Chemical abundances in the damped system at  $z = 3.390$  towards QSO 0000-2619  
*Molaro P., D'Odorico S., Fontana A., Savaglio S.,  
 Vladilo G.*

On the derivation of the Tully-Fisher relations under different velocity-distance laws  
*Ekholm T.*

Evolution of the Ly $\alpha$  forest: a consistent picture  
*Mückel J.P., Petitjean P., Kates R.E., Riediger R.*

Cosmological parameters and the redshift distribution of gravitational lenses  
*Helbig P., Kayser R.*

An unbiased value of  $\Omega$  from cluster infall and gravitational lensing  
*Regös E.*

L1 (RN) Peak mass in large-scale structure and dynamical friction  
*Del Popolo A., Gambera M.*

L5 Non-flat power spectra in the CDM model  
*Semig L.V., Müller V.*

L9 **Extragalactic astronomy**

Molecular gas observations and enhanced massive star formation efficiencies in M 100  
*Knapen J.H., Beckman J.E., Cepa J., Nakai N.*

L13 Morphology and stellar content of complexes in the Large Magellanic Cloud  
*Kontizas M., Maravelias S.E., Kontizas E., Dapergolaz  
 A., Bellas-Velidis I.*

L21 Extinction in NGC 628 and NGC 2403 derived from Paschen and Balmer lines  
*Petersen L., Gammelgaard P.*

L25 3C 390.3: a lobe-dominated radio Galaxy with a possible superluminal nucleus. Results from VLA observations and VLBI monitoring at 5 GHz  
*Alef W., Wu S.Y., Preuss E., Kellermann K.I., Qiu  
 Y.H.*

L29 Parametric resonance and bisymmetric dynamo solutions in spiral galaxies  
*Moss D.*

L33 Star formation in early-type galaxies of mixed pairs  
*de Mello D.F., Sulentic J.W., de Souza R.E., Reduzzi  
 L., Rampazzo R.*

L37 Intrinsic evolution of a superluminal knot in 3C 345  
*Qian S.J., Krichbaum T.P., Zensus J.A., Steffen W.,  
 Witzel A.*

Viscous models for slowly evolving galactic disks  
*Firmani C., Hernandez X., Gallagher J.*

Three epoch VLBI observations at 18 cm of low frequency variable sources  
*Bondi M., Padrielli L., Fanti R., Ficarra A., Gregorini  
 L., Mantovani F., Bartel N., Romney J.D., Nicolson  
 G.D., Weiler K.W.*

7 The elliptical globular cluster system of NGC 720  
*Kissler-Patig M., Richtler T., Hilker M.*

17 Large-field optical polarimetry of NGC 891, 5907 and 7331. Selecting the intrinsic polarising mechanism  
*Fendt C., Beck R., Lesch H., Neiningen N.*

359

- Dust and molecules in the Local Group galaxy NGC 6822.  
I. Dust, star formation and the origin of infrared emission  
*Israel F.P., Bontekoe T.R., Kester D.J.M.*

723

### Galactic structure and dynamics

- The distance to the Chain A high-velocity cloud complex  
*Welsh B.Y., Craig N., Roberts B.*  
Magnetic field reversals in the Milky Way – "cherchez le  
champ magnétique"  
*Vallée J.P.*

428

433

### Stellar clusters and associations

- Rotating globular clusters. I. Onset of the gravothermal  
instability  
*Lagoute C., Longaretti P.-Y.*  
Rotating globular clusters. II. Relaxation and evaporation  
*Longaretti P.-Y., Lagoute C.*  
NTTVI photometry of the metal-rich and obscured bulge  
globular cluster Terzan 5  
*Ortolani S., Barbuy B., Bica E.*

441

453

733

### Formation, structure and evolution of stars

- Kinematics, ages, and evolutionary status of UV Ceti stars  
*Poveda A., Allen C., Herrera M.A., Cordero G.,  
Lavalley C.*  
Effects of nonlinearities on a single oscillation mode of a  
star  
*Van Hoolst T.*  
Winds and accretion flows around T Tauri stars  
*Paatz G., Camenzind M.*  
Unusual frequency dependence of the integrated profile of the  
millisecond pulsar PSR J2145–0705  
*Kuzmin A.D., Losovsky B.Y.*  
OY Carinae in outburst: Balmer emission from the red star  
and the gas stream  
*Harlaftis E.T., Marsh T.R.*  
Radial and rotational velocities of young stars in Chamaeleon  
and Lupus  
*Dubath P., Reipurth B., Mayor M.*  
Multipolar magnetic fields in rotating Ap stars: modeling of  
observable quantities  
*Bagnulo S., Landi Degl'Innocenti M.,  
Landi Degl'Innocenti E.*  
Multisite CCD photometry of  $\delta$  Scuti stars in the open cluster  
NGC 6134 (the first STACC campaign)  
*Frandsen S., Balona L.A., Viskum M., Koen C.,  
Kjeldsen H.*  
The initial mass function and the dynamical evolution of open  
clusters. II. With mass loss  
*de la Fuente Marcos R.*  
V 539 Arae: first accurate dimensions of a slowly pulsating  
B star  
*Clausen J.V.*  
Radiation-driven envelopes around magnetic white dwarfs.  
Radiation-driven disks  
*Zheleznyakov V.V., Serber A.V., Kuipers J.*  
Physics of accretion onto young stars. I. Parametric models  
*Siess L., Forestini M.*

55

66

77

91

97

107

115

132

141

151

465

472

- Observation of the metallic line doubling phenomenon in the  
variable star RR Lyrae

481

*Chadid M., Gillet D.*

- Semiregular variables of types SRa and SRb. Energy distri-  
butions and stellar parameters

489

*Kerschbaum F., Hron J.*

- (RN) A new deep infrared finder chart for the Cygnus X-3  
field

497

*Fender R.P., Bell Burnell S.J.*

- Photometric behaviour of the Be X-ray binary  
A 0535+26/HDE 245770

499

*Hao J.-X., Huang L., Guo Z.H.*

- (RN) On the evolution of the magnetic moment of pul-  
sars

507

*Pandey U.S., Prasad S.S.*

- (RN) Optical identification of quasar 0917+7122 in the  
direction of an extreme-ultraviolet source

511

*Maoz D., Ofek E.O., Shemi A., Barth A.J., Filippenko  
A.V., Brotherton M.S., Wills B.J., Wills D., Lockman  
F.J.*

- The far-infrared colors of carbon stars revisited

738

*Egan M.P., Kwok S., Leung C.M., Price S.D.*

- Atomic ionization in magnetic neutron star atmospheres:  
transverse motion effects

747

*Kopidakis N., Ventura J., Herold H.*

- Light variations of massive stars ( $\alpha$  Cygni variables).  
XIV. The hypergiant WRA 977 = BP Crucis and the lumi-  
nous blue variable (LBV) HDE 269582 = HV 5495 in the  
LMC

763

*van Genderen A.M., Sterken C.*

- Deep diffusive mixing in globular-cluster red giants

773

*Denissenkov P.A., Weiss A.*

- W Crucis: an eclipsing binary system containing an accretion  
disk

785

*Zola S.*

- Application of wavelet analysis in variable star research.  
II. The semiregular star V Bootis

791

*Szatmáry K., Gál J., Kiss L.L.*

- The interacting binary CX Draconis: new orbital elements  
and evidence for mass transfer

799

*Šimon V.*

- Generation of pulsar radio emission

809

*Lyubarskii Y.E.*

- Simultaneous multicolour photometric and polarimetric  
observations of four T Tauri stars

821

*Gullbring E., Gahm G.F.*

- Damping of GRR instability by direct URCA reactions

828

*Zdunik J.L.*

- An optical time-resolved spectroscopic study of SS Cygni.  
II. Outburst

833

*Martínez-Pais I.G., Giovannelli F., Rossi C., Gaudenzi  
S.*

- (RN) BH Piscium = HD 224639: a  $\delta$  Scuti star with a rich  
pulsation spectrum and changing mode amplitudes

847

*Mantegazza L., Poretti E., Bossi M.*

### Stellar atmospheres

- On the structure of Be star disks

170

*Hanuschik R.W.*

- Colour excesses of F-G supergiants and Cepheids from Geneva photometry  
*Bersier D.* 514
- The calculation of line polarization due to scattering by electrons in multi-scattering axisymmetric envelopes  
*Hillier D.J.* 521
- High-resolution spectroscopy of 31 Pegasi. The H $\gamma$  and He I 4471 line variations  
*Zorec J., Israelian G., Ballereau D., Chauville J.* 852
- Simulation of polarization maps. II. The circumstellar environment of pre-main sequence objects  
*Fischer O., Henning T., Yorke H.W.* 863
- Abundance analysis of  $\alpha$  Cen stars. I.  $\alpha$  Circini  
*Kupka F., Ryabchikova T.A., Weiss W.W., Kuschnig R., Rogl J., Mathys G.* 886
- Diffuse matter in space (including H II regions and planetary nebulae)**
- Investigation of pulsar diffractive scintillation at 4.75 and 10.55 GHz  
*Malofeev V.M., Shishov V.I., Sieber W., Jessner A., Kramer M., Wiebeinski R.* 180
- Photodissociation and rotational excitation of interstellar CO  
*Warin S., Benayoun J.J., Viala Y.P.* 535
- Clumpiness in molecular clouds and statistics of embedded sources  
*Comerón F., Torra J., Rieke G.H.* 565
- A search for precursors of ultracompact H II regions in a sample of luminous IRAS sources. I. Association with ammonia cores  
*Molinari S., Brand J., Cesaroni R., Palla F.* 573
- Formation of the nebular complex N 11 in the Large Magellanic Cloud  
*Rosado M., Laval A., Le Coarer E., Georgelin Y.P., Amram P., Marcelin M., Goldes G., Gach J.L.* 588
- The interstellar D/H ratio toward G191-B2B from GHRS observations  
*Lemoine M., Vidal-Madjar A., Bertin P., Ferlet R., Gry C., Lallement R.* 601
- Search for interstellar glycine  
*Combes F., Rieu N.-Q., Włodarczak G.* 618
- High spatial resolution observations of H<sub>2</sub> vibrational emission in NGC 7023  
*Lemaire J.L., Field D., Gerin M., Leach S., Pineau des Forêts G., Rostas F., Rouan D.* 895
- Two partially overlapping clouds of different optical properties in the Perseus OB2 association  
*Krelowski J., Megier A., Strobel A.* 908
- First observations of the water vapour line at 557 GHz from the interstellar medium  
*Tauber J., Olofsson G., Pilbratt G., Nordh L., Frisk U.* 913
- The Sun**
- K-grains as a three-dimensional phenomenon. II. Phase analysis of the spatio-temporal pattern  
*Hofmann J., Steffens S., Deubner F.-L.* 192
- A pulsating-ejecting solar core model and the solar neutrino problem  
*Grandpierre A.* 199
- Fractal analysis of magnetic patterns from Meudon spectroheliograms  
*Nesme-Ribes E., Meunier N., Collin B.* 213
- Vertical fibril structure within solar prominences  
*Steele C.D.C.* 219
- (RN)** Element segregation in the solar chromosphere and the Fip bias: The "Skimmer" model  
*Vauclair S.* 228
- Basic topological elements of coronal magnetic fields  
*Bungey T.N., Titov V.S., Priest E.R.* 233
- On the detection of shocks in the solar granulation  
*Solanki S.K., Rüedi I., Bianda M., Steffen M.* 623
- Are thermal sudden disappearances of prominences driven by resonant absorption of Alfvén waves?  
*Ofman L., Mouradian Z.* 631
- Rapid changes in H $\alpha$  loop structures associated with flare activity  
*Yi Z.* 637
- Quasi-Separatrix layers in solar flares. I. Method  
*Démoulin P., Hénoux J.C., Priest E.R., Mandrini C.H.* 643
- The Sun's rotation rate in its equatorial plane  
*Antia H.M., Chitre S.M., Thompson M.J.* 656
- Hard X-ray emission of solar flares and non-stationary kinetics of electron beams  
*Charikov J.E., Guzman A.B., Kudryavtsev I.V.* 924
- Non-steady disturbances in the solar wind caused by Alfvén waves  
*Ma Y.-H., Xu Z.-T.* 929
- Electric current concentration and kink instability in line-tied coronal loops  
*Baty H., Heyvaerts J.* 935
- The role of solar magnetic field in the neutrino flux modulation  
*Obridko V.N., Rivin Y.R.* 951
- Subflares and surges in AR 2744 during the Solar Maximum Mission  
*Schmieder B., Rovira M., Sinnott G.M., Fontenla J.M., Tandberg-Hanssen E.* 957
- Elemental abundances in the solar network and cell centers from EUV spectra  
*Spadaro D., Zuccarello F., Zappalà R.A.* 970
- Collision of clumpy molecular clouds  
*Kimura T., Tosa M.* 979
- The solar system**
- Cosmic ray modulation and a non-spherical heliospheric shock  
*Fichtner H., Sreenivasan S.R., Fahr H.J.* 248
- A quantitative interpretation of the in-situ observations of the dust coma of comet P/Grigg-Skjellerup by the OPE photopolarimeter  
*Le Duin T., Crifo J.F., Le Quéau D., Crifo F.* 261
- On the line profiles in the spectra of the zodiacal light  
*Clarke D., Matthews S.A., Mundell C.G., Weir A.S.* 273
- Outer heliosphere Lyman  $\alpha$  background derived from two-shock model hydrogen distributions: application to the Voyager UVS data  
*Quémerais E., Malama Y.G., Sandel W.R., Lallement R., Bertaux J.-L., Baranov V.B.* 279

Diagnostic of Jupiter's ionosphere and high-energy electrons inside the Io magnetic flux tube using the decametric radio emission

Shaposhnikov V.E., Rucker H.O., Zaitsev V.V. 663

Perturbations on an extended Kuiper disk caused by passing stars and giant molecular clouds

Brunini A., Fernández J.A. 988

On the Kelvin-Helmholtz instability of the nose part of the heliopause. I. Axisymmetric disturbances

Chalov S.V. 995

### Celestial mechanics and astrometry

Pulsars and time scales

Petit G., Tavella P. 290

Precession and nutation from the analysis of positions of extragalactic radio sources

Walter H.G., Sovers O.J. 1001

### Physical and chemical processes

Dissipation of non-linear Alfvén waves

Boynton G.C., Torkelson U. 299

Structural evolution in thermally processed silicates

Thompson S.P., Evans A., Jones A.P. 309

Galactic jet sources and the AGN connection

Falcke H., Biermann P.L. 321

Shell masers

Elitzur M., Bujarrabal V. 330

LTE radiative transfer for polarized hydrogen lines in the weak-field regime

Casini R., Landi Degl'Innocenti E. 335

Helium like sulphur X-ray emission in solar flares and laboratory plasmas

Harra-Murnion L.K., Phillips K.J.H., Lemen J.R., Zarro D.M., Greer C.J., Foster V.J., Barnsley R., Coffey I.H., Dubau J., Keenan F.P., Fludra A., Rachlew-Källne E., Watanabe T., Wilson M. 670

Linear mode coupling and polarization features of radiation in current sheets

Zheleznyakov V.V., Kocharovskiy V.V., Kocharovskiy V.I.V. 685

Proton impact excitation of the ground state fine-structure transition in CII, NIII and OIV

Foster V.J., Keenan F.P., Reid R.H.G. 1009

Dynamics of slender flux tubes in accretion disks. II. Shear and buoyancy of a single tube

Schramkowski G.P. 1013

### Preview of accepted papers (February 1996)

### Abstracts of articles which have been published in A&A Supplement Series 115, No. 2

Determination of the relative populations from strong Fraunhofer line profiles by solving an inverse problem

Teplitskaya R.B., Grigoryeva S.A., Skochilov V.G. 349

Photometric Bgr survey of the distant clusters of galaxies Cl 1613+3104 and Cl 1600+4109

Pelló R., Vilchez-Gómez R. 349

The Hamburg/ESO survey for bright QSOs. I. Survey design and candidate selection procedure

Wisotzki L., Köhler T., Groote D., Reimers D. 349

The Hamburg/ESO survey for bright QSOs. II. Follow-up spectroscopy of 160 quasars and Seyferts

Reimers D., Köhler T., Wisotzki L. 349

H + K spectroscopy of luminous infrared galaxies

Laçon A., Rocca-Volmerange B., Thuan T.X. 350

Optical identifications of the IRAS faint sources in the Virgo cluster area

Yuan Q.R., Zhu Z.H., Yang Z.L., He X.T. 350

A catalogue of high velocity molecular outflows

Wu Y., Huang M., He J. 350

A catalogue of massive young stellar objects

Chan S.J., Henning T., Schreyer K. 350

Astrometry of outer Jovian satellites from the Uppsala-ESO survey of asteroids and comets (UESAC)

Hernius O., Lagerkvist C.-I., Lindgren M., Williams G.V., Tancredi G. 351

The central field of  $\omega$  Centauri

Lyngå G. 351

Search for gamma-ray emission from the Lagrangian points of PSR 1957+20

Buccheri R., Salamone V., Bennett K., Busetta M., Kuiper L., Hermsen W., McConnell M., Much R., Ryan J., Schönfelder V., Steinle H. 351

Optical positions and proper motions of radio stars obtained at Shanghai Observatory

Lu P.-Z., Xu T.-Q. 351

Four-colour photometry of eclipsing binaries. XXXVII. Light curves of the B-type system V 539 Arae

Clausen J.V., García J.M., Giménez A., Helt B.E., Jensen K.S., Suso J., Vaz L.P.R. 351

Positions of Neptunian satellites

Veiga C.H., Vieira Martins R., Le Guyader C., Assafin M. 352

A new study of the young open cluster NGC 7510

Barbon R., Hassan S.M. 352

Light curves and period changes of OO Aquilae

Demircan O., Gürol B. 352

Grids of stellar models. VI. Horizontal branch and early asymptotic giant branch for low mass stars ( $Z = 0.020, 0.001$ )

Charbonnel C., Meynet G., Maeder A., Schaerer D. 352

Radio sources in fields centered near supernova remnant G 160.9+2.6 (HB 9)

Leahy D.A., Roger R.S. 353

Stark broadening of spectral lines of multicharged ions of astrophysical interest. XIII. CV and PV

Dimitrijević M.S., Sahal-Bréchet S. 353

Two-dimensional, high spatial resolution, solar spectroscopy using the Correlation Tracker. I. Correlation Tracker description

Ballesteros E., Collados M., Bonet J.A., Lorenzo F., Viera T., Reyes M., Rodríguez Hidalgo I. 353

Two-dimensional, high spatial resolution, solar spectroscopy using the Correlation Tracker. II. Maps of spectral quantities

Collados M., Rodríguez Hidalgo I., Ballesteros E., Ruiz Cobo B., Sánchez Almeida J., del Toro Iniesta J.C. 353

The pointing of the IRAM 30-m telescope

Greve A., Panis J.-F., Thum C. 354

A new expectation function for fitting the OH curves of circumstellar maser lines

David P., Etoka S., Le Squeren A.M. 354

X-ray map from the EXOSAT galactic plane survey and a direct demodulation technique

Lu F.J., Li T.P., Sun X.J., Wu M., Page C.G. 354

**Abstracts of articles which have been published in A&A Supplement Series 115, No. 3**

uvby H $\beta$  photometry of main sequence A type stars

Jordi C., Figueras F., Torra J., Asiain R. 355

Short WSRT H I observations of spiral galaxies

Rhee M.-H., van Albada T.S. 355

A CO survey of galaxies with the SEST and the 20-m Onsala telescope

Elfthag T., Booth R.S., Höglund B., Johansson L.E.B., Sandqvist Aa. 355

Photoelectric photometry of 57 and 58 Tauri, two  $\delta$  Scuti type stars in the Hyades cluster

Fu J.-N., Jiang S.-Y., Li Z.-P. 355

Magnitude-phase dependences for three asteroids

Shevchenko V.G., Chiorny V.G., Kalashnikov A.V., Krugly Y.N., Mohamed R.A., Velichko F.P. 356

New proper-motion stars with declination between  $-5^\circ$  and  $-30^\circ$  and right ascension between 0 h and 9 h

Wroblewski H., Torres C. 356

Astrometric positions of stars associated with nebulosities in the southern hemisphere

Rousseau J.M., Périé J.P. 356

EUV spectral lines from solar wind source regions: the resonance doublets of NV, MgX and SiXII, and the FeXII  $\lambda$  1242 forbidden line

Spadaro D., Ventura R. 356

Velocities and life-times in the VLBI jet of 3C 273

Abraham Z., Carrara E.A., Zensus J.A., Unwin S.C. 357

Atomic data from the iron project. XIII. Electron excitation rates and emissivity ratios for forbidden transitions in Ni II and Fe II

Bautista M.A., Pradhan A.K. 357

Source standards for the radiometric calibration of astronomical telescopes in the VUV spectral range

Hollandt J., Kühne M., Huber M.C.E., Wende B. 357

An implicit Lagrangian code for the treatment of nonstationary problems in rotating astrophysical bodies

Ardeljan N.V., Bisnovatyi-Kogan G.S., Kosmachevskii K.V., Moiseenko S.G. 357

Erratum: Ultraviolet spectral evolution of star clusters in the IUE library

Bonatto C., Bica E., Alloin D. 358

**Preview of accepted papers (March 1996)**

1033

**Abstracts of articles which have been published in A&A Supplement Series 116, No. 1**

1037

Monitoring MWC 560 = V 694 Monocerotis in 1990–1995.

I. Conventional and high-speed UVB photometry

Tomov T., Kolev D., Ivanov M., Antov A., Jones A., Mikolajewski M., Lepardo A., Passuello R., Saccavino S., Sostero G., Valentinuzzi T., Bellas-Velidis Y., Dapergolas A., Munari U. 1037

A pulsating star inside  $\eta$  Carinae. II. The variability of the pulsation period

Sterken C., de Groot M.J.H., van Genderen A.M. 1037

Global H I profiles of spiral galaxies

Kamphuis J.J., Sijbring D., van Albada T.S. 1037

Star counts in southern dark clouds: Corona Australis and Lupus

Andreazza C.M., Vilas-Boas J.W.S. 1038

A search for small-amplitude variations in northern R Coronae Borealis stars

Weiss A., Fried R., Olson E.C. 1038

Search for emission-line galaxies towards nearby voids. Observational data

Popescu C.C., Hopp U., Hagen H.J., Elsässer H. 1038

Investigation on the region of the open cluster Tr 14

Vázquez R.A., Baume G., Feinstein A., Prado P. 1038

Planetary nebulae in the Magellanic Clouds. I. Carbon abundances and Type I PNe

Leisy P., Dennefeld M. 1039

A survey for 22 GHz water maser emission from the Arecibo set of OH/IR stars

Engels D., Lewis B.M. 1039

SEST observations of extragalactic radio sources at 3 mm and 1.3 mm

Tornikoski M., Valtaoja E., Teräsanta H., Karlamaa K., Lainela M., Nilsson K., Kotilainen J., Laine S., Lähteenmäki A., Knee L.B.G., Botti L.C.L. 1039

Baseline errors on European VLBI Network measurements. II. Instrumental polarization

Massi M., Comoretto G., Rioja M., Tofani G. 1040

Aperture optimization of telescopes and interferometers: a combinatorial approach

Kopilovich L.E., Sodín L.G. 1040

An evolutionary method for pulsar searches in  $\gamma$ -ray data

Brazier K.T.S., Kanbach G. 1040